

# Bibliography

## 61-1 Chemical Identity

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24697	Ciba-Geigy Corporation (19??) Ingredient Statement for Primazine(TM) 80W--80% Wettable Powder Herbicide. (Unpublished study received Oct 2, 1967 under 100-492; CDL:000510-C)
76945	Ciba-Geigy Corporation (1981) Caparol^(R)I 4L: Confidential State- ment of Formula. (Unpublished study received May 13, 1981 under 100-620; CDL:245131-B)
123217	Ciba-Geigy Corp. (19??) Name, Chemical Identity and Composition of Prometryne. (Unpublished study received May 13, 1969 under 9G0834; CDL:093537-A)
125014	Ciba-Geigy Corp. (1978) (Chemical Study: Caparol 80W). (Compilation; unpublished study received Mar 2, 1978 under 100-471; CDL:232975-A)
135668	Ciba-Geigy Corp. (1978) ?Chemical Study: Technical Prometryn . (Compilation; unpublished study received Mar 2, 1978 under 100-542; CDL:232976-A)
152176	Solchem, Inc. (1984) [Product Chemistry Data for Prometrex 4L]. Unpublished compilation. 56 p.
163113	Ciba-Geigy Corp. (1986) [Product Chemistry of Caparol 80W]. Unpublished compilation. 33 p.
40114901	Brolis, L., comp. (1986) Oxon Prometryn Technical: Product Chemis- try Identity and Composition. Unpublished study prepared by Oxon Italia S.P.A. 27 p.
40354401	Industria Prodotti Chomici SpA (1987) Prometryne Technical - Product Chemistry Data, Product Identity: I.Pi.Ci. Doc. No. 839/87. Unpublished compilation. 79 p.
40356001	Brown, R.; Lail, L. (1987) Product Chemistry: Technical Prometryne: Study No. PC-87-021. Unpublished study prepared by Ciba-Geigy Corp. 155 p.
40589601	Industria Prodotti Chimici, S.p.A. (1988) Discussion of Revisions to Vol. I: Prometryne Technical - Product Chemistry Data: Product Identity: IPICI-1988-2. Unpublished study. 6 p.
40661701	Agan Chemical Manufacturers Ltd. (1986) Prometrex Technical--Product Chemistry. Unpublished compilation. 82 p.
42399301	Hobson, J. (1992) Product Chemistry Data: Cotton-Pro DF: Lab Project Number: P91-004. Unpublished study prepared by Griffin Corp. 104 p.
42579101	Tal, Y. (1992) Prometrex Technical: Product Identity, Disclosure of Ingredients, Description of Beginning Materials and Manufacturing Process, and Discussion on the Formation of Impurities: Lab Project Number: 92-4. Unpublished study prepared by Agan Chemical Manufacturers, Ltd. 72 p.
42876001	Jackson, W. (1993) Technical Prometryn: Addendum to Product Chemistry (Product Identity and Composition). Unpublished study prepared by Ciba-Geigy Corp. 10 p.
42919001	Tal, Y. (1993) PROMETREX Technical-Product Chemistry, Product Assessment Guideline Series 61: Lab Project Number: ACM 93 PROMET. Unpublished study prepared by Agan Chemical Manufacturers, Ltd. 66 p.
43386001	Gordon, E. (1994) Responses to EPA Comments of April 25, 1994, Regarding Prometrex Technical Product Chemistry Product Identity and Disclosure of Ingredients Discussion on the Formation of Impurities: Response to EPA Review of MRID 42579101: Lab Project Number: M/PRO611. Unpublished study prepared by Agan Chemical Manufacturers, Ltd. 23 p.

43407101 McCain, P. (1994) Prometryn Technical: Product Chemistry. Unpublished study prepared by Ciba Crop Protection. 187 p.

43793601 Mahlborg, W. (1993) Product Chemistry Data for Prometryne 4L Herbicide: Lab Project Number: 93-66A. Unpublished study prepared by Platte Chemical Co. 37 p.

44271301 McCain, P. (1997) Caparol 4L Product Chemistry: Lab Project Number: 414-96: 218-97: G:\CC-DOC\PRODCHEM\CAP.DOC. Unpublished study prepared by Novartis Crop Protection, Inc. 242 p. {OPPTS 830.1550, 830.1600, 830.1650, 830.1670, 830.1750, 830.1800, 830.6302, 830.6303, 830.6304, 830.7300, 830.7000, 830.6314, 830.6315, 830.6316, 830.6319, 830.7100, 830.6320, 830.6321}

44271302 McCain, P. (1997) Prometryn Technical Product Chemistry: Lab Project Number: 173-97: 175-97: 220-97. Unpublished study prepared by Novartis Crop Protection, Inc. 369 p. {OPPTS 830.1550, 830.1600, 830.1620, 830.1670, 830.1700, 830.1750, 830.1800}

44363503 Taya, A. (1997) Prometryn 4L: Group A--Product Identity, Composition and Analysis: Lab Project Number: 97-05P: M/85-160-F. Unpublished study prepared by AGAN Chemical Manufacturers, Ltd. 77 p. {OPPTS 830.1550, 830.1600, 830.1650, 830.1670, 830.1750, 830.1800}

44573401 Dowler, C. (1998) Cotton Pro 4L Product Chemistry Data: Lab Project Number: P98-012: 98-012. Unpublished study prepared by Griffin L.L.C. 76 p. {OPPTS 830.1550, 830.1600, 830.1620, 830.1670, 830.1750, 830.6302, 830.6303, 830.6304, 830.6313, 830.6314, 830.6315, 830.6316, 830.6319, 830.6320, 830.6321, 830.7000, 830.7100, 830.7300}

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45762301 Hipps, A. (2002) Manufacturing Process Description and Supporting Data for G-34161/CGA-362622 WG: Lab Project Number: PC-02-057: AF-1468/1: 108130. Unpublished study prepared by Syngenta Crop Protection, Inc. 100 p. {OPPTS 830.1550, 830.1600, 830.1650, 830.1670, 830.1750, 830.1800}

61-2 Description of Beginning Materials and Manufacturing Proces

MRID	Citation Reference
76946	Ciba-Geigy Corporation (1981) Caparol^(R)I 4L: Method of Manufac- ture. (Unpublished study received May 13, 1981 under 100-620; CDL:245131-C)
125014	Ciba-Geigy Corp. (1978) (Chemical Study: Caparol 80W). (Compilation; unpublished study received Mar 2, 1978 under 100-471; CDL:232975-A)
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152176	Solchem, Inc. (1984) [Product Chemistry Data for Prometrex 4L]. Unpublished compilation. 56 p.
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40354401	Industria Prodotti Chomici SpA (1987) Prometryne Technical - Product Chemistry Data, Product Identity: I.Pi.Ci. Doc. No. 839/87. Unpublished compilation. 79 p.
40356001	Brown, R.; Lail, L. (1987) Product Chemistry: Technical Prometryne: Study No. PC-87-021. Unpublished

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44271301 McCain, P. (1997) Caparol 4L Product Chemistry: Lab Project Number: 414-96: 218-97: G:\CC-DOC\PRODCHEM\CAP.DOC. Unpublished study prepared by Novartis Crop Protection, Inc. 242 p. {OPPTS 830.1550, 830.1600, 830.1650, 830.1670, 830.1750, 830.1800, 830.6302, 830.6303, 830.6304, 830.7300, 830.7000, 830.6314, 830.6315, 830.6316, 830.6319, 830.7100, 830.6320, 830.6321}

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61-3 Discussion of Formation of Impurities

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163113	Ciba-Geigy Corp. (1986) [Product Chemistry of Caparol 80W]. Unpublished compilation. 33 p.
40114901	Brolis, L., comp. (1986) Oxon Prometryn Technical: Product Chemistry Identity and Composition. Unpublished study prepared by Oxon Italia S.P.A. 27 p.
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40356001	Brown, R.; Lail, L. (1987) Product Chemistry: Technical Prometryne: Study No. PC-87-021. Unpublished study prepared by Ciba-Geigy Corp. 155 p.
40520901	Farmer, A. (1988) Product Chemistry for Prometryne 4L. Unpublished study . 8 p.
40661701	Agan Chemical Manufacturers Ltd. (1986) Prometrex Technical--Product Chemistry. Unpublished compilation. 82 p.
41797801	Walker, A. (1990) Prometryne + MSMA. Unpublished study prepared by Riverside Terra Corp. 19 p.
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42399301	Hobson, J. (1992) Product Chemistry Data: Cotton-Pro DF: Lab Project Number: P91-004. Unpublished study prepared by Griffin Corp. 104 p.
42579101	Tal, Y. (1992) Prometrex Technical: Product Identity, Disclosure of Ingredients, Description of Beginning Materials and Manufacturing Process, and Discussion on the Formation of Impurities: Lab Project Number: 92-4. Unpublished study prepared by Agan Chemical Manufacturers, Ltd. 72 p.
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44271301 McCain, P. (1997) Caparol 4L Product Chemistry: Lab Project Number: 414-96: 218-97: G:\CC-DOC\PRODCHEM\CAP.DOC. Unpublished study prepared by Novartis Crop Protection, Inc. 242 p. {OPPTS 830.1550, 830.1600, 830.1650, 830.1670, 830.1750, 830.1800, 830.6302, 830.6303, 830.6304, 830.7300, 830.7000, 830.6314, 830.6315, 830.6316, 830.6319, 830.7100, 830.6320, 830.6321}

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62-1 Preliminary Analysis

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40114902	Brolis, L., comp. (1986) Oxon Prometryn Technical: Product Chemistry: Analysis and Certification of Product Ingredients. Unpublished study prepared by Oxon Italia S.P.A. 22 p.
40573701	Brown, R. (1987) Product Chemistry: Technical Prometryn: Study No. PC-87-021. Unpublished compilation prepared by Ciba-Geigy Corp. 79 p.
40584401	I.Pi.Ci. Industria Prodotti Chimici SpA (1987) Prometryne Technical--Product Chemistry Data: Analysis and Certification of Product Ingredients: Doc. No. 861/88 III. Unpublished compilation. 100 p.
40661701	Agan Chemical Manufacturers Ltd. (1986) Prometrex Technical--Product Chemistry. Unpublished compilation. 82 p.
42399301	Hobson, J. (1992) Product Chemistry Data: Cotton-Pro DF: Lab Project Number: P91-004. Unpublished study prepared by Griffin Corp. 104 p.
42583801	Tal, Y. (1992) Preliminary Analysis, Certification of Limits and Analytical Methods to Verify Certified Limits of Six Lots of Prometrex Technical: Lab Project Number: 92-4. Unpublished study prepared by Agan Chemical Manufacturers, Ltd. 310 p.
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42918101	Ehmann, J. (1993) Hexachlorobenzene and Pentachlorobenzene Quantitation in Technical Prometryn: Lab Project Number: 11505: 29/92. Unpublished study prepared by Institut Fresenius Ingelheim. 65 p.
43088302	Ehmann, J. (1994) First Amendment to Final Report Hexachlorobenzene and Pentachlorobenzene: Quantitation in Technical Prometryn: Response to EPA Review of MRID 42918101: Lab Project Number: 11505 AMENDMENT. Unpublished study prepared by Institute Fresenius GmbH. 17 p.



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62-2 Certification of limits

MRID	Citation Reference
117981	Industria Prodotti Chimici, S.p.A. (1981) Prometryne Technical: ?Chemistry . (Unpublished study received Oct 25, 1982 under 33660-5; CDL:248784-A)
142638	Ciba-Geigy Corp. (19??) [Chemical Characteristics of Technical Prometryn]. Unpublished study. 2 p.
142639	Ciba-Geigy Corp. (19??) Caparol 80W. Unpublished study. 1p.
152176	Solchem, Inc. (1984) [Product Chemistry Data for Prometrex 4L]. Unpublished compilation. 56 p.
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40700301	Agan Chemical Manufacturers Ltd. (1986) Prometrex Technical--Product Chemistry: Addendum. Unpublished compilation. 30 p.
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62-3 Analytical Method

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44573401 Dowler, C. (1998) Cotton Pro 4L Product Chemistry Data: Lab Project Number: P98-012: 98-012. Unpublished study prepared by Griffin L.L.C. 76 p. {OPPTS 830.1550, 830.1600, 830.1620, 830.1670, 830.1750, 830.6302, 830.6303, 830.6304, 830.6313, 830.6314, 830.6315, 830.6316, 830.6319, 830.6320, 830.6321, 830.7000, 830.7100, 830.7300}

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45762301 Hipps, A. (2002) Manufacturing Process Description and Supporting Data for G-34161/CGA-362622 WG: Lab Project Number: PC-02-057: AF-1468/1: 108130. Unpublished study prepared by Syngenta Crop Protection, Inc. 100 p. {OPPTS 830.1550, 830.1600, 830.1650, 830.1670, 830.1750, 830.1800}

63-0      Reports of Multiple phys/chem Characteristics

MRID	Citation Reference
4190	Gjerstad, D.H.; South, D.B. (1976) Supporting Data for Application for State Registration of: Modown for Weed Control in Pine Seedbeds. (Unpublished study received Dec 13, 1977 under 2224-50; prepared by Auburn Univ., Dept. of Forestry in cooperation with U.S. Forest Service, State and Private Forestry, Southeastern Area, submitted by Mobil Chemical Co., Industrial Chemicals, Richmond, Va.; CDL:232503-A)
19048	Patel, C.D. (1976) ?Physical Compatibility Testing of Tolban in Combination with Other Herbicides : AG 4693. (Unpublished study received Apr 29, 1976 under 100-523; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:225271-AO)
23963	Burkhard, N. (1976) Project Report 17/76: Hydrolysis of 2-Chloro- and 2-Methylthio-4,6-bis-(alkylamino)-s-triazines under Laboratory Conditions. (Unpublished study received Apr 27, 1977 under 100-588; prepared by Ciba-Geigy, Ltd., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:229641-A)
27153	Geigy Chemical Corporation (1964) Prometryne(R) (G-34161). (Unpublished study received on unknown date under unknown admin. no.; CDL:128063-H)
30141	Friedrich, K.; Stambach, K. (1964) Gas chromatographic determination of small vapour pressures; Determination of the vapour pressures of some Triazine herbicides. Journal of Chromatography 16(? ):22-28. (Also in unpublished submission received Jul 19, 1978 under 201-403; submitted by Shell Chemical Co., Washington, D.C.; CDL:234473-C)
32217	Kaldon, H. (19??) 4L Compatibilities. (Unpublished study received Oct 22, 1969 under 100-497; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:000523-D)
34039	Murray, ? (1969) Laboratory Report: AG 2810. (Unpublished study received Nov 27, 1970 under 100-471;



submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:000465-B)

- 76944 Ciba-Geigy Corporation (19??) Caparol(R) 4L: Chemical Data Section. (Unpublished study received May 13, 1981 under 100-620; CDL:245131-A)
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- 142638 Ciba-Geigy Corp. (19??) [Chemical Characteristics of Technical Prometryn]. Unpublished study. 2 p.
- 148334 Ciba-Geigy Corp. (1984) Prometryn [Product Chemistry Data]. Unpublished study. 1 p.
- 148335 Balu, K. (1984) Prometryn: Environmental Impact Statement: Report No. EIR-84013. Unpublished study prepared by Ciba-Geigy Corp. 20 p.
- 152176 Solchem, Inc. (1984) [Product Chemistry Data for Prometrex 4L]. Unpublished compilation. 56 p.
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- 40114903 Brolis, L., comp. (1986) Oxon Prometryn Technical: Product Chemis- try: Physical and Chemical Characteristics. Unpublished study prepared by Oxon Italia S.P.A. 11 p.
- 40354402 Industria Prodotti Chimici SpA (1987) Prometryne Technical - Product Chemistry: Physical and Chemical Characteristics. Unpublished study. 34 p.
- 40356002 Brown, R.; Lail, L. (1987) Product Chemistry: Technical Prometryne: Study No. PC-87-021. Unpublished compilation prepared by Ciba- Geigy Corp. 105 p.
- 40520901 Farmer, A. (1988) Product Chemistry for Prometryne 4L. Unpublished study . 8 p.
- 40661701 Agan Chemical Manufacturers Ltd. (1986) Prometrex Technical--Product Chemistry. Unpublished compilation. 82 p.
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44339601 McCain, P. (1997) Prometryn Technical Product Chemistry (Physical and Chemical Characteristics): Lab Project Number: 416-96: AG-87/37: PPD 93-006. Unpublished study prepared by Novartis Crop Protection, Inc. 54 p. {OPPTS 830.6302, 830.6303, 830.6304, 830.7200, 830.7300, 830.7950, 830.7000, 830.6315, 830.6316, 830.6317, 830.6320}

44363502 Wells, D. (1997) Prometryn 4L--Determining the Product Chemistry: (Density, Viscosity, pH): Lab Project Number: 97-3-6924: 11742.0197.6132.880. Unpublished study prepared by Springborn Laboratories, Inc. 38 p. {OPPTS 830.7300, 830.7100, 830.7000}

44363801 Wells, D. (1997) Prometryn TGAI (Prometrex TGAI)--Determining the Product Chemistry: Amended Final Report: Lab Project Number: 97-4-6941: 11742.0197.6131.885. Unpublished study prepared by Springborn Labs., Inc. 73 p. {OPPTS 830.6302-6304, 830.7000, 830.7200, 830.7300, 830.7370}

44573401 Dowler, C. (1998) Cotton Pro 4L Product Chemistry Data: Lab Project Number: P98-012: 98-012. Unpublished study prepared by Griffin L.L.C. 76 p. {OPPTS 830.1550, 830.1600, 830.1620, 830.1670, 830.1750, 830.6302, 830.6303, 830.6304, 830.6313, 830.6314, 830.6315, 830.6316, 830.6319, 830.6320, 830.6321, 830.7000, 830.7100, 830.7300}

44913501 Hipps, A. (1999) Prometryn Technical: Product Chemistry: Group B Data Requirements: Addendum to MRID No. 40356002: Lab Project Number: PC-99-008: ASGRSR-99-255. Unpublished study prepared by Novartis Crop Protection, Inc. 20 p. {OPPTS 830.7840, 830.7050}

45072601 White, L. (1998) Cotton Pro 4L Product Chemistry Data: Lab Project Number: P98-012. Unpublished study prepared by Griffin LLC. 134 p. {OPPTS 830.1550, 830.1620, 830.1600, 830.1750, 830.1800, 830.1670, 830.6302, 830.6303, 830.6304, 830.7000, 830.7100, 830.7300}

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63-11 Oct/Water partition Coef.

MRID	Citation Reference
40354402	Industria Prodotti Chimici SpA (1987) Prometryne Technical - Product Chemistry: Physical and Chemical Characteristics. Unpublished study. 34 p.
40356002	Brown, R.; Lail, L. (1987) Product Chemistry: Technical Prometryne: Study No. PC-87-021. Unpublished compilation prepared by Ciba- Geigy Corp. 105 p.
42579103	Schlesinger, H. (1992) Prometrex: Partition Coefficient (n-octanol/water): Lab Project Number: 76. Unpublished study prepared by Analyst Ltd. 29 p.

63-13 Stability

MRID	Citation Reference
42622001	Stubbs, D. (1992) Product Chemistry (Stability): Technical Prometryn: Lab Project Number: PC-92-034. Unpublished study prepared by Ciba-Geigy Corp. 5 p.

43407103 McCain, P. (1994) Technical Prometryn: Product Chemistry. Unpublished study prepared by Ciba Crop Protection. 6 p.

43801701 McCain, P. (1995) Technical Prometryn: Product Chemistry (Stability): (Final Report): Lab Project Number: PC-95-031: FR387-93: Z:\CC-DOC\PRODCHEM\95031.DOC. Unpublished study prepared by Ciba-Geigy Corp. 42 p.

63-14      **Oxidizing/Reducing Action**

MRID	Citation Reference
43010001	Vogt, H. (1993) Oxidixing or Reducing Action of Prometrex Technical: Lab Project Number: NA 92 1522. Unpublished study prepared by NATEC Institut. 20 p.

63-16      **Explodability**

MRID	Citation Reference
42840201	Tal, Y. (1992) Explodability Test of Two Lots of Prometrex: Lab Project Number: 92-4/EX. Unpublished study prepared by Agan Chemical Manufacturers, Ltd. 6 p.

63-17      **Storage stability**

MRID	Citation Reference
152176	Solchem, Inc. (1984) [Product Chemistry Data for Prometrex 4L]. Unpublished compilation. 56 p.
40114903	Brolis, L., comp. (1986) Oxon Prometryn Technical: Product Chemis- try: Physical and Chemical Characteristics. Unpublished study prepared by Oxon Italia S.P.A. 11 p.
40520901	Farmer, A. (1988) Product Chemistry for Prometryne 4L. Unpublished study . 8 p.
40729601	Industria Prodotti Chimici SpA (1988) Prometryne Technical--Product Chemistry: Storage Stability: Document No. 865. Unpublished study. 29 p.
42579104	Pesselman, R. (1992) Storage Stability of Prometrex: Interim Report: Lab Project Number: 6443-101. Unpublished study prepared by Hazleton Wisconsin, Inc. 44 p.
42876003	Jackson, W. (1993) Technical Prometryn: Addendum to Product Chemistry (Storage Stability): Lab Project Number: PPD 93-06: PTD E427: 48-92-P. Unpublished study prepared by Ciba-Geigy Corp. 21 p.
43001801	Pesselman, R. (1993) Storage Stability of Prometrex: Final Report: Lab Project Number: HWI 6443-101. Unpublished study prepared by Hazleton Wisconsin, Inc. 64 p.
43793602	Savage, J. (1991) Product Chemistry Data for Prometryne 4L Herbicide: (Physical and Chemical Characteristics): Lab Project Number: 93-67A: PLT-46. Unpublished study prepared by Dartec, Inc. 49 p.
43793603	Savage, J. (1992) Product Chemistry Data for Prometryne 4L Herbicide: Supplemental Report: (Storage Stability): Lab Project Number: 93-67B: PLT-46. Unpublished study prepared by Dartec, Inc. 15 p.
44339601	McCain, P. (1997) Prometryn Technical Product Chemistry (Physical and Chemical Characteristics): Lab Project Number: 416-96: AG-87/37: PPD 93-006. Unpublished study prepared by Novartis Crop Protection,

Inc. 54 p. {OPPTS 830.6302, 830.6303, 830.6304, 830.7200, 830.7300, 830.7950, 830.7000, 830.6315, 830.6316, 830.6317, 830.6320}

44529601 Willis, C. (1997) Accelerated Storage Stability Determination of Prometryne + MSMA: Final Report: Lab Project Number: 1470-07. Unpublished study prepared by Case Consulting Labs., Inc. 57 p. {OPPTS 830.6317}

44529701 Willis, C. (1997) Accelerated Storage Stability Determination of Prometryne 4L: Lab Project Number: 1470-05. Unpublished study prepared by Case Consulting Laboratories, Inc. 40 p. {OPPTS 830.6317}

45072602 Butenschon, C. (1999) Cotton Pro 4L One Year Storage Stability: Lab Project Number: P98-013. Unpublished study prepared by Griffin LLC. 16 p.

45762302 Higgs, A. (2002) Physical and Chemical Properties of G-34161/CGA-362622 WG: (Final Report): Lab Project Number: PC-02-058: 108149: 1544-02. Unpublished study prepared by Syngenta Crop Protection, Inc. 43 p. {OPPTS 830.6302, 830.6303, 830.6304, 830.6314, 830.6315, 830.6316, 830.6317, 830.6319, 830.6320, 830.6321, 830.7000, 830.7100, 830.7300}

63-20 Corrosion characteristics

MRID	Citation Reference
42579102	Pesselman, R. (1992) Series 63 Product Chemistry Determinations of Prometrex (Vapor Pressure, Stability, and Corrosion Characteristics): Lab Project No. 6443-100. Unpublished study prepared by Hazleton Wisconsin, Inc. 55 p.
44363501	Wells, D. (1997) Prometryn 4L--Determination of the Corrosion Characteristics of an End-Use Product: Lab Project Number: 97-5-6961: 11742.0197.6135.840: Amended Final Report. Unpublished study prepared by Springborn Laboratories, Inc. 25 p. {OPPTS 830.6320}
44573401	Dowler, C. (1998) Cotton Pro 4L Product Chemistry Data: Lab Project Number: P98-012: 98-012. Unpublished study prepared by Griffin L.L.C. 76 p. {OPPTS 830.1550, 830.1600, 830.1620, 830.1670, 830.1750, 830.6302, 830.6303, 830.6304, 830.6313, 830.6314, 830.6315, 830.6316, 830.6319, 830.6320, 830.6321, 830.7000, 830.7100, 830.7300}
45072602	Butenschon, C. (1999) Cotton Pro 4L One Year Storage Stability: Lab Project Number: P98-013. Unpublished study prepared by Griffin LLC. 16 p.

71-1 Avian Single Dose Oral Toxicity

MRID	Citation Reference
56908	Ciba-Geigy Corporation (1967) Toxicology: (Evik(R)). (Reports by various sources; unpublished study including IBT nos. B4715, C4716 and P4709, received Apr 14, 1971 under 1G1142; CDL: 090929-B)
70686	Beliles, R.P.; Scott, W.; Knott, W. (1965) Prometryne: Safety Evaluation on Fish and Wildlife (Bobwhite Quail, Mallard Ducks, Rainbow Trout, Sunfish, Goldfish). (Unpublished study received Dec 29, 1977 under 100-542; prepared by Woodard Research Corp., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:232551-B)
82966	Fink, R.; Beavers, J.B.; Brown, R. (1977) Final Report: Acute Oral LD50--Mallard Duck: Project No. 108-131. (Unpublished study received Dec 29, 1977 under 100-542; prepared by Wildlife Inter- national Ltd. and Washington College, submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:232551-C)

40457501 Fletcher, D. (1984) Acute Oral Toxicity Study with Prometryn Technical in Bobwhite Quail: Lab Study Number BLAL No. 84QD44. Unpublished study performed by Bio-Life Associates. 21 p.

71-2 Avian Dietary Toxicity

MRID	Citation Reference
70686	Beliles, R.P.; Scott, W.; Knott, W. (1965) Prometryne: Safety Evaluation on Fish and Wildlife (Bobwhite Quail, Mallard Ducks, Rainbow Trout, Sunfish, Goldfish). (Unpublished study received Dec 29, 1977 under 100-542; prepared by Woodard Research Corp., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:232551-B)
40457502	Fletcher, D. (1984) 8-Day Dietary LC50 Study with Prometryn Technical in Bobwhite Quail: Study Number BLAL No. 84QC43. Unpublished study performed by Bio-Life Associates. 23 p.
40457503	Fletcher, D. (1984) 8-Day Dietary LC50 Study with Prometryn Technical in Mallard Ducks: Study Number BLAL No. 84DC44. Unpublished study performed by Bio-Life Associates. 23 p.

71-4 Avian Reproduction

MRID	Citation Reference
41035901	Fletcher, D.; Pedersen, C. (1989) Prometryn Technical: Toxicity and Reproduction Study in Mallard Ducks: Study No. 87 DR 21. Unpublished study prepared by Bio-Life Associates, Ltd. 55 p.
41035902	Fletcher, D. (1989) Prometryn Technical: Toxicity and Reproduction Study in Bobwhite Quail: Study No. 87 QR 23. Unpublished study prepared by Bio-Life Associates, Ltd. 120 p.
43370401	Peters, G. (1994) Response to the Review of: Prometryn Technical: Toxicity and Reproduction Study in Bobwhite Quail: Lab Project Number: 87/QRP/23. Unpublished study prepared by Ciba Crop Protection. 61 p.
43370402	Peters, G. (1994) Response to the Review of: Prometryn Technical: Toxicity and Reproduction Study in Mallard Ducks: Lab Project Number: 87/DRP/21. Unpublished study prepared by Ciba Crop Protection. 67 p.
44556801	Gallagher, S.; Beavers, J.; Jaber, M. (1998) Prometryn Technical: A Reproduction Study with the Northern Bobwhite ( <i>Colinus virginianus</i> ): Lab Project Number: 108-387: 14-97. Unpublished study prepared by Wildlife International, Ltd. 159 p.

72-1 Acute Toxicity to Freshwater Fish

MRID	Citation Reference
70686	Beliles, R.P.; Scott, W.; Knott, W. (1965) Prometryne: Safety Evaluation on Fish and Wildlife (Bobwhite Quail, Mallard Ducks, Rainbow Trout, Sunfish, Goldfish). (Unpublished study received Dec 29, 1977 under 100-542; prepared by Woodard Research Corp., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:232551-B)
121154	McCann, J. (1970) ?Caparol 80W--Rainbow Trout : Test No. 256. (Unpublished study received Apr 11, 1970 under 100-471; pre- pared by U.S. Agricultural Research Service, Pesticides Regula- tion Div., Animal Biology Laboratory, submitted by U.S. Environ- mental Protection Agency, Beltsville, MD; CDL:129837-A)



121155 McCann, J. (1971) (Caparol 80W--Bluegill): Test No. 387. (Unpublished study received Aug 7, 1971 under 100-471; prepared by U.S. Agricultural Research Service, Pesticides Regulation Div., Animal Biology Laboratory, submitted by U.S. Environmental Protection Agency, Beltsville, MD; CDL:129837-B)

48697901 Overmyer, J.; Bang, J.; Peranginangin, N.; et al. (2011) Prometryn: Review and Assessment of the Potential Impact of Prometryn on Endangered and Threatened Pacific Salmonid Species: (MRID 48541604): Assessment Amendment 1. Project Number: TK0064724. Unpublished study prepared by Syngenta Crop Protection. 135 p.

72-2 Acute Toxicity to Freshwater Invertebrates

MRID	Citation Reference
70146	Vilkas, A.G. (1977) Acute Toxicity of Prometryn--FL-761355 to the Water Flea (~Daphnia magna~Straus): UCES Proj. # 11506-04-04. (Unpublished study received Dec 29, 1977 under 100-542; prepared by Union Carbide Corp., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:232551-D)
48697901	Overmyer, J.; Bang, J.; Peranginangin, N.; et al. (2011) Prometryn: Review and Assessment of the Potential Impact of Prometryn on Endangered and Threatened Pacific Salmonid Species: (MRID 48541604): Assessment Amendment 1. Project Number: TK0064724. Unpublished study prepared by Syngenta Crop Protection. 135 p.

72-3 Acute Toxicity to Estuarine/Marine Organisms

MRID	Citation Reference
27094	Lowe, J.I. (1964) Gulf Shellfish: Effects of Pesticides. (Unpublished study including letter dated Jul 28, 1964 from J.I. Lowe to H.E. Fairchild, received Jul 28, 1964 under unknown admin. no.; prepared by U.S. Fish and Wildlife Service, Bureau of Commercial Fisheries, submitted by Ciba-Geigy, Greensboro, N.C.; CDL:131211-A)
40573717	Surprenant, D. (1988) Acute Toxicity of Prometryn Technical to Sheepshead Minnow (Cyprinodon variegatus): Laboratory Study No. 87-12-2588. Unpublished study prepared by Springborn Life Sciences, Inc. 49 p.
40573718	Surprenant, D. (1988) Acute Toxicity of Prometryn Technical to Mysid Shrimp (Mysidopsis bahia): Laboratory Study No. 88-1-2601. Unpublished study prepared by Springborn Life Sciences, Inc. 52 p.
40573719	Surprenant, D. (1988) Acute Toxicity of Prometryn Technical to Embryos-larvae of the Quahog Clam (Mercenaria mercenaria): Laboratory Study No. 88-1-2626. Unpublished study prepared by Springborn Life Sciences, Inc. 46 p.

72-4 Fish Early Life Stage/Aquatic Invertebrate Life Cycle Study

MRID	Citation Reference
24738	McCann, J.A. (1970) ?Primaze 80W: Toxicity to Rainbow Trout . (U.S. Agricultural Research Service, Pesticides Regulation Div., Animal Biology Laboratory, unpublished report.)
40692	McCann, J.A. (1970) Primaze 80 W: Bluegill (~?Lepomis macro?-chirus?~): Test No. 229. (U.S. Agricultural Research Service, Pesticides Regulation Div., Animal Biology Laboratory, unpublished study;

CDL:129814-A)

40573720 Surprenant, D. (1988) The Chronic Toxicity of Prometryn Technical to Daphnia magna under Flow-through Conditions: Laboratory Study No. 88-1-2622. Unpublished study prepared by Springborn Life Sciences, Inc. 79 p.

40573721 Humaker, T. (1985) Flow-through Fathead Minnow Early Life Stage Toxicity Test with Prometryn: Laboratory Study No. D187. Unpublished study prepared by Environmental Research & Technology, Inc. 160 p.

43370403 Peters, G. (1994) Response to the Review of: The Chronic Toxicity of Prometryn Technical to Daphnia Magna under Flow-Through Conditions. Unpublished study prepared by Ciba Crop Protection. 216 p.

43801702 Graves, W.; Mank, M.; Swigert, J. (1995) An Early Life-Stage Toxicity Test with the Fathead Minnow (Pimephales promelas): Prometryn: Lab Project Number: 108A-162. Unpublished study prepared by Wildlife International, Ltd. 70 p.

44031101 Graves, W.; Mank, M.; Swigert, J. (1996) An Early Life-Stage Toxicity Test with the Fathead Minnow, Pimephales promelas: Prometryn: A Supplement: Lab Project Number: 108A-162. Unpublished study prepared by Wildlife International, Ltd. 11 p.

81-1 Acute oral toxicity in rats

MRID	Citation Reference
60314	Kapp, R.W. (1975) Final Report: Acute Oral Toxicity Study in Rats: Project No. M915-106. (Unpublished study received Dec 19, 1977 under 33660-5; prepared by Hazleton Laboratories America, Inc., submitted by Industria Prodotti Chimici, S.p.A., Novate Mila- nese, Italy; CDL:232506-A)
60645	Ciba-Geigy Corporation (1977) Report of Acute Mammalian Toxicity Studies Made to Support the Appropriate Signal Word, Warnings and Precautionary Statements for the Herbicide, Prometryn Technical. Summary of studies 232550-G through 232550-K. (Unpublished study received Dec 29, 1977 under 100-542; CDL:232550-F)
60646	Sachsse, K.; Bathe, R. (1976) Acute Oral LDI50^ in the Rat of Technical G 34161: Project No. Siss 5540. (Unpublished study received Dec 29, 1977 under 100-542; prepared by Ciba-Geigy, Ltd., Switzerland, submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:232550-G)
60652	Phillips, B.M.; Nham, D.; Harrison, W.A. (1977) Report to ...: Acute Toxicity Studies with Caparol(R) 80W: IBT No. 8530- 10431. (Unpublished study received Dec 29, 1977 under 100-471; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:232547-B)
76949	Tompkins, E.C.; Harris, G.L. (1980) Acute Oral Toxicity Study: TRL Study #005-009. (Unpublished study received May 13, 1981 under 100-620; prepared by Toxicity Research Laboratories, Ltd., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:245132-B)
128473	Doyle, R.; Weiner, A.; Kreuzmann, J.; et al. (1983) Acute Oral Toxicity Screen in Rats; Acute Dermal Toxicity Screen in Rabbits; Primary Skin Irritation Study in Rabbits; Primary Eye Irritation Study in Rabbits of Prometryne 4L: Hill Top Research Project No. 82-1621-21. (Unpublished study received Mar 8, 1983 under 2749-503; prepared by Hill Top Research, Inc., submitted by Aceto Chemical Co., Inc., Flushing, NY; CDL:250162-A)
133328	Mastri, C. (1969) Report to Geigy Agricultural Chemicals, Division of Geigy Chemical Corporation: Acute Toxicity Studies on a 4:1 Combination of MSMA and Caparol: IBT No. A6871. (Unpublished study received Dec 2, 1983 under 100-495; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Ciba-Geigy Corp., Greensboro, NC; CDL:251887-B)

144885 Tompkins, E. (1984) Acute Oral Toxicity Study: TRL Study #005-009. Unpublished study prepared by Toxicity Research Laboratories, Ltd. 4 p.

146326 Maedgen, J. (1983) Rat Acute Inhalation Toxicity Caparol 4L FL- 830197: Project No. 2878-83. Unpublished study prepared by Stillmeadow, Inc. 15 p.

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162919 Rosenfeld, G. (1986) Addendum to Acute Oral Toxicity Study in Rats Study No. 1090A. Unpublished addendum prepared by Cosmopolitan Safety Evaluation, Inc. 2 p.

165541 Life Science Research Israel (1981) Prometryne 80 WP: Acute Oral Toxicity in the Rat. Unpublished study. 25 p.

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44529602 Wnorowski, G. (1997) Acute Oral Toxicity Test (in Rats): Prometryne & MSMA Herbicide: Lab Project Number: 4983: P320: E70120-1H. Unpublished study prepared by Product Safety Labs. 22 p.

44573403 Adams, R. (1986) Acute Toxicology Testing: Liquid Cream GX-110A: Lab Project Number: 85G-0003: 85G-0004: 85G-0005. Unpublished study prepared by Toxikon Corp. 47 p.

45762303 Sommer, E. (2002) Acute Oral Toxicity in the Rat (Limit Test) G-34161 (Prometryn) + CGA-362622 (Trifloxysulfuron) WG: Final Report: Lab Project Number: 20011104: 2709-01. Unpublished study prepared by Syngenta Crop Protection AG. 19 p. {OPPTS 870.1100}

81-2 Acute dermal toxicity in rabbits or rats

MRID	Citation Reference
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60645	Ciba-Geigy Corporation (1977) Report of Acute Mammalian Toxicity Studies Made to Support the Appropriate Signal Word, Warnings and Precautionary Statements for the Herbicide, Prometryn Technical. Summary of studies 232550-G through 232550-K. (Unpublished study received Dec 29, 1977 under 100-542; CDL:232550-F)
60647	Sachsse, K.; Bathe, R. (1976) Acute Dermal LDI50^ in the Rat of Technical G 34161: Project No. Siss 5662. (Unpublished study received Dec 29, 1977 under 100-542; prepared by Ciba-Geigy, Ltd., Switzerland,

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44271308 Kuhn, J. (1995) Caparol 4L: Acute Dermal Toxicity Study in Rabbits: Final Report: Lab Project Number: 2395-95: S9-FF81-2.C3. Unpublished study prepared by Stillmeadow, Inc. 14 p.

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81-3 Acute inhalation toxicity in rats

MRID	Citation Reference
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60654	Sachsse, K.; Ullman, L. (1973?) Acute Inhalation Toxicity in the Rat of G 34161 WP 80 (A-1494 D): Project No. Siss 5655. (Unpublished study received Dec 29, 1977 under 100-471; prepared by Ciba-Geigy, Ltd., Switzerland, submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:232547-E)
73739	Kapp, R.W. (1975) Final Report: Acute Inhalation Toxicity Study in Rats: Project No. M915-103. (Unpublished study received Dec 19, 1977 under 33660-5; prepared by Hazleton Laboratories America, Inc., submitted by Industria Prodotti Chimici, S.p.A., Novate Milanese, Italy; CDL:232506-F)
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103078	Buch, S. (1981) Prometryne 80WP: Acute Inhalation Toxicity in Rats. (Unpublished study received May 28, 1982 under 38652-2; prepared by Life Science Research, Eng., submitted by Solchem, Inc., New York, NY; CDL:247616-E)
133328	Mastri, C. (1969) Report to Geigy Agricultural Chemicals, Division of Geigy Chemical Corporation: Acute Toxicity Studies on a 4:1 Combination of MSMA and Caparol: IBT No. A6871. (Unpublished study received Dec 2, 1983 under 100-495; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Ciba-Geigy Corp., Greensboro, NC; CDL:251887-B)
146326	Maedgen, J. (1983) Rat Acute Inhalation Toxicity Caparol 4L FL- 830197: Project No. 2878-83. Unpublished study prepared by Stillmeadow, Inc. 15 p.
152179	Rosenfeld, G. (1984) Acute Inhalation Toxicity Study in Rats...Prometrex 50 SC (Prometryne) 2267: Study 1090C. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 27 p.
40457510	Holbert, M. (1987) Prometryn Technical: Acute Inhalation Toxicity Study in Rats: Study Number 5014-87. Unpublished study performed by Stillmeadow, Inc. 17 p.
40520904	Wedig, J. (1987) Acute Inhalation Evaluation of Prometryne 4l in Rats: Laboratory Project ID 326B-102-710-87. Unpublished study prepared by Toxicology Pathology Services, Inc. 30 p.
40661704	Buch, S. (1981) Prometrex (Prometryne) Technical: Acute Inhalation Toxicity in Rats: Laboratory Report ID: 81/AGN036/459. Unpublished study prepared by Life Science Research Israel Ltd. 41 p.
41439501	Holbert, M. (1990) Acute Inhalation Toxicity Study in Rats: Prometryne-4L: Lab Project Number: 6588-89. Unpublished study prepared by Stillmeadow, Inc. 17 p.
42325503	Shapiro, R. (1992) EPA Acute Inhalation Limit Test: Lab Project Number: T-1268. Unpublished study prepared by Product Safety Labs. 31 p.
44271309	Bennick, J. (1995) Caparol 4L: Acute Inhalation Toxicity Study in Rats: Final Report: Lab Project Number: 2396-95: S9-FF81-3.C3. Unpublished study prepared by Stillmeadow, Inc. 28 p.
44271310	Bennick, J. (1997) Prometryn Technical: Acute Inhalation Toxicity Study in Rats: Final Report: Lab Project



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81-4 Primary eye irritation in rabbits

MRID	Citation Reference
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60318	Reno, F.E. (1976) Final Report: Acute Eye Irritation Study in Rabbits: Project No. 915-118. (Unpublished study received Dec 19, 1977 under 33660-5; prepared by Hazleton Laboratories America, Inc., submitted by Industria Prodotti Chimici, S.p.A., Novate Milanese, Italy; CDL:232506-E)
60645	Ciba-Geigy Corporation (1977) Report of Acute Mammalian Toxicity Studies Made to Support the Appropriate Signal Word, Warnings and Precautionary Statements for the Herbicide, Prometryn Technical. Summary of studies 232550-G through 232550-K. (Unpublished study received Dec 29, 1977 under 100-542; CDL:232550-F)
60648	Sachsse, K.; Ullmann, L. (1977) Eye Irritation in the Rabbit of Technical G 34161: Project No. Siss 5662. (Unpublished study received Dec 29, 1977 under 100-542; prepared by Ciba-Geigy, Ltd., Switzerland, submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:232550-I)
73754	Palazzolo, R.J. (1964) Report to Geigy Research Laboratories: Acute Toxicity Studies on Prometryne 80W. (Unpublished study received Dec 29, 1977 under 100-471; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:232547-C)
76952	Tompkins, E.C.; Harris, G.L. (1980) Primary Eye Irritation Study: TRL Study #005-006. (Unpublished study received May 13, 1981 under 100-620; prepared by Toxicity Research Laboratories, Ltd., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:245132-E)
103077	Hovevey-Sion, D.; Rosenthal, N. (1981) Prometryne 80 WP: Primary Eye Irritation in the Rabbit. (Unpublished study received May 28, 1982 under 38652-2; prepared by Life Science Research Israel, Ltd., submitted by Solchem, Inc., New York, NY; CDL: 247616-D)
106828	Fischer, J. (1977) Toxicity Data Report: (Prowl Tank Mix Combination: Prowl 4E + Caparol 80W at a Rate of 1.5 lb. ai/A of Prowl + 2.8 lb. ai/A of Caparol in 10 gal./A of Water): Report No. A77-165. (Unpublished study received Aug 14, 1979 under 241-243; submitted by American Cyanamid Co., Princeton, NJ; CDL: 238944-A)
128473	Doyle, R.; Weiner, A.; Kreuzmann, J.; et al. (1983) Acute Oral Toxicity Screen in Rats; Acute Dermal Toxicity Screen in Rabbits; Primary Skin Irritation Study in Rabbits; Primary Eye Irritation Study in Rabbits of Prometryne 4L: Hill Top Research Project No. 82-1621-21. (Unpublished study received Mar 8, 1983)

under 2749-503; prepared by Hill Top Research, Inc., submitted by Aceto Chemical Co., Inc., Flushing, NY; CDL:250162-A)

133328 Mastri, C. (1969) Report to Geigy Agricultural Chemicals, Division of Geigy Chemical Corporation: Acute Toxicity Studies on a 4:1 Combination of MSMA and Caparol: IBT No. A6871. (Unpublished study received Dec 2, 1983 under 100-495; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Ciba-Geigy Corp., Greensboro, NC; CDL:251887-B)

142636 Tompkins, E. (1980) Primary Eye Irritation Study: TRL Study #005- 006. Unpublished study prepared by Toxicity Research Laborato- ries, Ltd. 20 p.

152180 Rosenfeld, G. (1984) Primary Eye Irritation Study in Rabbits...Prometrex 50 SC (Prometryne) 2267: Study 1090D. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 16 p.

40457511 Sabol, R. (1987) Prometryn Technical: Primary Eye Irritation Study in Rabbits: Study Number 5011-87. Unpublished study performed by Stillmeadow, Inc. 19 p.

40457512 SChiaro, D. (1984) Prometryn Technical: Primary Eye Irritation Study in Rabbits: Study Number 218-84. Unpublished study performed by Ciba-Geigy Corporation. 23 p.

40520905 Larso, D. (1987) Primary Ocular Irritation Evaluation of Prometryne 4L in Rabbits: Laboratory Project ID 326E-303-912-87. Unpublished study prepared by Toxicology Pathology Services, Inc . 36 p.

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42679701 Shapiro, R. (1993) EPA Eye Irritation Test: GX-312002 (Prometryne): Lab Project Number: T-2003. Unpublished study prepared by Product Safety Labs. 29 p.

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44271312 Kuhn, J. (1995) Caparol 4L: Primary Eye Irritation Study in Rabbits: Final Report: Lab Project Number: 2397-95: S9-FF81-4.C3. Unpublished study prepared by Stillmeadow, Inc. 19 p.

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44573403 Adams, R. (1986) Acute Toxicology Testing: Liquid Cream GX-110A: Lab Project Number: 85G-0003: 85G-0004: 85G-0005. Unpublished study prepared by Toxikon Corp. 47 p.

45762306 Johnson, I. (2002) G-34161/CGA-362622 WG (79.3/0.7)(A-12474 A): Eye Irritation Study in the Rabbit: Final Report: Lab Project Number: FB5940: 1629-02. Unpublished study prepared by Central Toxicology Laboratory. 31 p. {OPPTS 870.2400}

81-5 Primary dermal irritation

MRID	Citation Reference
60316	Kapp, R.W. (1975) Final Report: Primary Skin Irritation Study in Rabbits: Project No. 915-105. (Unpublished study received Dec 19, 1977 under 33660-5; prepared by Hazleton Laboratories Amer- ica, Inc., submitted by Industria Prodotti Chimici, S.p.A., Novate Milanese, Italy; CDL:232506-C)
60645	Ciba-Geigy Corporation (1977) Report of Acute Mammalian Toxicity Studies Made to Support the Appropriate Signal Word, Warnings and Precautionary Statements for the Herbicide, Prometryn Technical.

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60649 Sachsse, K.; Ullman, L. (1977) Skin Irritation in the Rabbit after Single Application of Technical G 34161: Project No. Siss 5662. (Unpublished study received Dec 29, 1977 under 100-542; prepared by Ciba-Geigy, Ltd., Switzerland, submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:232550-J)

60652 Phillips, B.M.; Nham, D.; Harrison, W.A. (1977) Report to ...: Acute Toxicity Studies with Caparol(R) 80W: IBT No. 8530- 10431. (Unpublished study received Dec 29, 1977 under 100-471; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:232547-B)

76953 Tompkins, E.C.; Harris, G.L. (1980) Primary Skin Irritation Study: TRL Study #005-007. (Unpublished study received May 13, 1981 under 100-620; prepared by Toxicity Research Laboratories, Ltd., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:245132-F)

103076 Hovevey-Sion, D.; Ben-Shatz, N. (1982) Prometryne 80 WP: Primary Skin Irritation Study in Rabbits. (Unpublished study received May 28, 1982 under 38652-2; prepared by Life Science Research Israel, Ltd., submitted by Solchem, Inc., New York, NY; CDL: 247616-C)

106828 Fischer, J. (1977) Toxicity Data Report: (Prowl Tank Mix Combination: Prowl 4E + Caparol 80W at a Rate of 1.5 lb. ai/A of Prowl + 2. 8 lb. ai/A of Caparol in 10 gal./A of Water): Report No. A77-165. (Unpublished study received Aug 14, 1979 under 241-243; submitted by American Cyanamid Co., Princeton, NJ; CDL: 238944-A)

128473 Doyle, R.; Weiner, A.; Kreuzmann, J.; et al. (1983) Acute Oral Toxicity Screen in Rats; Acute Dermal Toxicity Screen in Rabbits; Primary Skin Irritation Study in Rabbits; Primary Eye Irritation Study in Rabbits of Prometryne 4L: Hill Top Research Project No. 82-1621-21. (Unpublished study received Mar 8, 1983 under 2749-503; prepared by Hill Top Research, Inc., submitted by Aceto Chemical Co., Inc., Flushing, NY; CDL:250162-A)

152181 Rosenfeld, G. (1984) Primary Dermal Irritation Study in Rabbits... Prometrex 50 SC (Prometryne) 2267: Study 1090E. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 13 p.

40457513 Sabol, R. (1987) Prometryn Technical: Primary Dermal Irritation study in Rabbits: Study Number 5012-87. Unpublished study performed by Stillmeadow, Inc. 14 p.

40520906 Larson, D. (1987) Primary Dermal Irritation Evaluation of Prometryne 4L in Rabbits: Laboratory Project ID 326D-302-211-87. Unpublished study prepared by Toxicology Pathology Services, Inc. 33 p.

40661705 Hovevey-Sion, D. (1981) Prometrex (Prometryne) Technical: Primary Skin Irritation Study in Rabbits: Laboratory Report ID: AGN/043/ PRO TECH. Unpublished study prepared by Life Science Research Israel Ltd. 19 p.

42325505 Shapiro, R. (1992) EPA Dermal Irritation Test: Lab Project Number: T-1265. Unpublished study prepared by product Safety Labs. 24 p.

44271313 Sabol, R. (1997) Prometryn Technical: Supplement to the Primary Dermal Irritation Study in Rabbits: Lab Project Number: 5012-87. Unpublished study prepared by Stillmeadow, Inc. 8 p.

44271314 Kuhn, J. (1995) Caparol 4L: Primary Dermal Irritation Study in Rabbits: Final Report: Lab Project Number: 2398-95: S9-FF81-5.C3. Unpublished study prepared by Stillmeadow, Inc. 12 p.

44529606 Wnorowski, G. (1997) Primary Skin Irritation (in Rabbits): Prometryne + MSMA Herbicide: Lab Project Number: 4986: P326: E70120-1H. Unpublished study prepared by Product Safety Labs. 16 p.

44573403 Adams, R. (1986) Acute Toxicology Testing: Liquid Cream GX-110A: Lab Project Number: 85G-0003: 85G-0004: 85G-0005. Unpublished study prepared by Toxikon Corp. 47 p.

45762307 Johnson, I. (2002) G-34161/CGA-362622 WG (79.3-0.7)(A-12474 A): Skin Irritation Study in the Rabbit: Final Report: Lab Project Number: EB4963: 2712-01. Unpublished study prepared by Central Toxicology Laboratory. 20 p. {OPPTS 870.2500}

81-6     Dermal sensitization

MRID	Citation Reference
60650	Sachsse, K.; Ullmann, L. (1977) Skin Sensitizing (Contact Allergenic) Effect in Guinea Pigs of Technical G 34161: Project No. Siss 5662. (Unpublished study received Dec 29, 1977 under 100-542; prepared by Ciba-Geigy, Ltd., Switzerland, submitted by Ciba- Geigy Corp., Greensboro, N.C.; CDL:232550-K)
76954	Tompkins, E.C.; Harris, G.L. (1980) Guinea Pig Skin Sensitization Study: TRL Study #005-010. (Unpublished study received May 13, 1981 under 100-620; prepared by Toxicity Research Laboratories, Ltd., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL: 245132-G)
152182	Rosenfeld, G. (1984) Guinea Pig Sensitization Study (Buehler)... Prometrex 50 SC (Prometryne) 2267: Study 1090F. Unpublished study prepared by Cosmopolitan Safety Evaluation, Inc. 15 P.
40457514	Sabol, R. (1987) Prometryn Technical: Dermal Sensitization Study in Guinea Pigs: Study Number 5013-87. Unpublished study performed by Stillmeadow, Inc. 18 p.
40966001	Werdig, J. (1988) Evaluation of the Dermal Sensitization Potential of Prometryne 4L in Guinea Pigs: Laboratory Project ID 326F-201- 215-88. Unpublished study prepared by Toxicology & Pathology Services, Inc. 33 p.
41321001	Nicholas James, C. (1989) Prometrex Technical (Prometryne) - Guinea Pig Sensitization Study Buehler Method: Lab Project Number 88720/80. Unpublished study prepared by Arthur D, Little, Inc. 30 p.
42325506	Shapiro, R. (1992) EPA Guinea Pig Sensitization (Buehler): Lab Project Number: T-1267. Unpublished study prepared by Product Safety Labs. 32 p.
43041101	Trimmer, G. (1993) Dermal Sensitization Test in the Guinea Pig (Buehler Method) with Cotton Pro DF (MRD-93-534): Lab Project Number: 153422. Unpublished study prepared by EXXON Biomedical Sciences, Inc. 49 p.
43793604	FitzGerald, G. (1992) Dermal Sensitization Data for Prometryne 4L Herbicide: (Guinea Pigs): Lab Project Number: 93-80A: 91G-1104. Unpublished study prepared by Toxikon Corp. 25 p.
44271315	Kuhn, J. (1995) Caparol 4L: Dermal Sensitization Study in Guinea Pigs: Final Report: Lab Project Number: 2399-95: S9-FF81-6.C3. Unpublished study prepared by Stillmeadow, Inc. 18 p.
44271316	Kuhn, J. (1997) Prometryn Technical: Dermal Sensitization Study in Guinea Pigs: Final Report: Lab Project Number: 3201-96: S9-FF81-6.C3. Unpublished study prepared by Stillmeadow, Inc. 31 p.
44363504	Dreher, D. (1997) Prometrex 50 SC: Buehler Delayed Contact Hypersensitivity Study in the Guinea Pig: Lab Project Number: 008/365. Unpublished study prepared by Safepharm Laboratories, Limited. 30 p.
44529607	Wnorowski, G. (1997) Dermal Sensitization Test--Buehler Method (in Guinea Pigs): Prometryne & MSMA Herbicide: Lab Project Number: 4987: P328: E70120-1H. Unpublished study prepared by Product Safety Labs. 23 p.
44573404	Becci, P. (1986) Delayed Contact Hypersensitivity Study in Guinea Pigs (EPA): GX-110A: Lab Project Number: 3159.1.2. Unpublished study prepared by Springborn Institute for Bioresearch, Inc. 25 p.
45252001	Moore, G. (2000) Dermal Sensitization Study in Guinea Pigs (Buehler Method): Cotton Pro: Lab Project Number: 9581: GP00-039: P328. Unpublished study prepared by Product Safety Labs. 25 p. {OPPTS 870.2600}
45762308	Johnson, I. (2002) G-34161/CGA-362622 WG (79.3/0.7)(A-12474 A): Skin Sensitization Study in the Guinea Pig: Final Report: Lab Project Number: GG7591: 2713-01. Unpublished study prepared by Central Toxicology Laboratory. 36 p. {OPPTS 870.2600}

81-8 Acute neurotoxicity screen study in rats

MRID	Citation Reference
49021203	Herberth, M. (2012) Prometryn - A 28-Day Dietary Dose Range-Finding Neurotoxicity Study in Rats: Final Report. Project Number: WIL/639161, TK0053976. Unpublished study prepared by WIL Research Laboratories, Inc. 280p.

82-1 Subchronic Oral Toxicity: 90-Day Study

MRID	Citation Reference
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82-2 21-day dermal-rabbit/rat

MRID	Citation Reference
76950	Tompkins, E.C.; Harris, G.L. (1980) 14-day Acute Dermal Toxicity Study in Rabbits: TRL Study #005-011. (Unpublished study received May 13, 1981 under 100-620; prepared by Toxicity Research Laboratories, Ltd., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:245132-C)
40457515	Piccirillo, V. (1977) Prometryn Technical: 28-Day Pilot Feeding Study in Mice: Study Number 483-127. Unpublished study performed by Hazleton Laboratories America, Inc. 25 p.
40573702	Wolfe, G. (1988) 21-day Dermal Toxicity Study in Rabbits: Prometryn: Laboratory Study No. HLA 483-260. Unpublished study prepared by Hazleton Laboratories, Inc. 124 p.
43407104	Sova, J. (1994) Submission of Additional Information To Upgrade The 21-Day Repeated Dose Dermal Toxicity Study In Rabbits: Prometryn Technical. Unpublished study prepared by Ciba Crop Protection. 7 p.

82-3 90-day dermal-rodent

MRID	Citation Reference
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83-1 Chronic Toxicity



MRID	Citation Reference
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42794	Woodard, M.W.; Cockrell, K.O.; Lobdell, B.J.; et al. (1965) Prometryne Safety Evaluation by Oral Administration to Rats for 104 Weeks and to Dogs for 106 Weeks. (Unpublished study received Oct 7, 1977 under 100-566; prepared by Woodard Research Corp., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:231965-C)
40342401	Parshley, T. (1987) Prometryn: Summary of Data Requested by the EPA for Establishing Doses for a Combined 2-year Rat Chronic Feeding/Oncogenicity Study: Laboratory Study No. MIN872230. Unpublished study prepared by Ciba-Geigy Corp. 176 p.

83-2      **Oncogenicity**

MRID	Citation Reference
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83-3      **Teratogenicity -- 2 Species**

MRID	Citation Reference
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83-4      **2-generation repro.-rat**

MRID	Citation Reference
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MRID	Citation Reference
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MRID	Citation Reference
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40457518	Lasinski, E.; Kapeghian, J.; Green, J. (1987) Prometryn Technical: Gene Mutations Test: Study Number 872346. Unpublished study performed by Ciba-Geigy Corporation. 27 p.
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86-1 Domestic animal safety

MRID	Citation Reference
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121-1 Phytotoxicity

MRID

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**122-2 Aquatic plant growth**

MRID	Citation Reference
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**123-1 Seed germination/seedling emergence and vegetative vigor**

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MRID	Citation Reference
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152-26      **Chronic Exposure**

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161-1      **Hydrolysis**

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161-2 Photodegradation-water

MRID	Citation Reference
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161-3 Photodegradation-soil

MRID	Citation Reference
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**162-1 Aerobic soil metabolism**

MRID	Citation Reference
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MRID	Citation Reference
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163-2 Volatility - lab

MRID	Citation Reference
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MRID	Citation Reference
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164-5 Long term soil dissipation

MRID	Citation Reference
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165-1 Confined rotational crop

MRID	Citation Reference
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165-2      **Field rotational crop**

MRID	Citation Reference
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MRID	Citation Reference
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MRID	Citation Reference
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171-4B      **Residue Analytical Methods**

MRID	Citation Reference
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171-4C      **Magnitude of the Residue [by commodity]**

MRID	Citation Reference
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25450	Geigy Chemical Corporation (19??) Results of Investigations into the Possible Residue of Hydroxytriazine in Raw Agricultural Commodities. (Unpublished study received Mar 19, 1965 under 5F0447; CDL:092911-E)
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32670	Barnes, G. (1963) Prometryne Residues--Cottonseed: AG-A 475. (Unpublished study including AG-A 476, received Dec 14, 1971 under 100-471; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL: 000467-A)
33086	Manning, P.B.; Kerr, T.W.; Olney, C.E.; et al. (1964) (Residue Study). (Unpublished study including published data, received Jan 14, 1965 under 100-471; prepared by Univ. of Rhode Island, Agricultural Experiment Station and others, submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:000459-E)
33087	Manning, P.B.; Kerr, T.W.; Olney, C.E.; et al. (1964) ?Residue Study . (Unpublished study including published data, received Jan 14, 1965 under 100-471; prepared in cooperation with Univ. of Rhode Island, Agricultural Experiment Station and Gaspro, Ltd., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL: 000459-F)



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- 33794 Weeks, M.E.; Murphy, H.J.; LeBaron, H.M.; et al. (1966) ?Ametryne Residues and Potatoes|: AG-A 250. (Unpublished study including AG-A 271, 351, 409..., received Dec 21, 1971 under 100-473; prepared in cooperation with Univ. of Massachusetts, Dept. of Agronomy and others, submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:000482-C)
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- 34043 Motko, L.; Alamo, A.; Agamalian, H. (1966) Residue Data Summary. (Unpublished study received Dec 11, 1972 under 100-471; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:000468-C)
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171-4A2      **Nature of the Residue in Plants**

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830.1550 Product Identity and composition

MRID	Citation Reference
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**830.1600      Description of materials used to produce the product**

MRID	Citation Reference
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**830.1620      Description of production process**

MRID	Citation Reference
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**830.1670      Discussion of formation of impurities**

MRID	Citation Reference
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**830.1700      Preliminary analysis**

MRID	Citation Reference
48165301	Hipps, A. (2009) Prometryn Technical (G34161) - Manufacturing Process Description and Supporting Data. Project Number: PC/09/075. Unpublished study prepared by Syngenta Crop Protection, Inc. 254 p.
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**830.1750      Certified limits**

MRID	Citation Reference
48165301	Hipps, A. (2009) Prometryn Technical (G34161) - Manufacturing Process Description and Supporting Data. Project Number: PC/09/075. Unpublished study prepared by Syngenta Crop Protection, Inc. 254 p.
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**830.1800      Enforcement analytical method**

MRID	Citation Reference
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**830.6317      Storage stability**

MRID	Citation Reference
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**830.6320      Corrosion characteristics**

MRID	Citation Reference
49103401	Hipps, A. (2004) Physical and Chemical Properties of Prometryn/Trifloxysulfuron 80 WG (A12474A). Project Number: PC/04/025. Unpublished study prepared by Syngenta Crop Protection, LLC. 29p.

**835.0001      Background for Environmental Fate, Transport, and Drift**

MRID	Citation Reference
48697901	Overmyer, J.; Bang, J.; Peranginangin, N.; et al. (2011) Prometryn: Review and Assessment of the Potential Impact of Prometryn on Endangered and Threatened Pacific Salmonid Species: (MRID 48541604): Assessment Amendment 1. Project Number: TK0064724. Unpublished study prepared by Syngenta Crop Protection. 135 p.

**835.4100      Aerobic soil metabolism**

MRID	Citation Reference
49139001	Reischmann, F. (1998) Prometryn: Metabolism and Rate of Degradation of (Carbon 14)-Labelled G34161 Under Aerobic and Anaerobic Laboratory Conditions in Various Soils at 20(Degrees Celsuis): Final Report. Project Number: 96RF01, TK0182057. Unpublished study prepared by Novartis Crop Protection, AG. 103p.
49139002	Moore, P. (2013) An Overview of Prometryn Aerobic Soil Metabolism. Project Number: TK0182053. Unpublished study prepared by Syngenta Crop Protection, LLC. 8p.
49347202	Moore, P. (2014) Prometryn: Discussion on Release of (Carbon 14)-Prometryn-Related Soil Bound Residues per EPA Cited Literature Response. Project Number: TK0183408. Unpublished study prepared by Syngenta Crop Protection, LLC. 13p.

**835.4200      Anaerobic soil metabolism**

MRID	Citation Reference
49139001	Reischmann, F. (1998) Prometryn: Metabolism and Rate of Degradation of (Carbon 14)-Labelled G34161 Under Aerobic and Anaerobic Laboratory Conditions in Various Soils at 20(Degrees Celsuis): Final Report. Project Number: 96RF01, TK0182057. Unpublished study prepared by Novartis Crop Protection, AG. 103p.

**835.4300      Aerobic aquatic metabolism**

MRID	Citation Reference
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**850.1010      Aquatic invertebrate acute toxicity, test, freshwater daphnids**

MRID	Citation Reference
48541605	Grade, R. (2001) Prometryn: Acute Toxicity of G34161, SC 500 (A 3953 F) to the Cladoceran Daphnia magna STRAUS in the Static System: Final Report. Project Number: 848538 2031534, TK0062830. Unpublished study prepared by Syngenta Crop Protection, AG. 48p.
49139003	Hamaker, T. (1985) Daphnia magna 48-Hour Static Acute Toxicity Test with Prometryn: Final Report. Project Number: D187, TK0185067. Unpublished study prepared by Environmental Research & Technology, Inc. 53p.
49389102	Valenti, T. (2014) Prometryn Communication Supporting Waivers for Hydroxypropazine Studies Listed in the Generic Data Call-In for Prometryn. Project Number: TK0228717. Unpublished study prepared by Syngenta Crop Protection, LLC. 10p.
50336101	Matlock, D.; Moore, S. (2017) GS-11526 - Toxicity of GS-11526 (Hydroxypropazine) to the Daphnia Magna Under Static-Renewal Conditions: Final Report. Project Number: 069SRUS17C0067, TK0220814. Unpublished study prepared by SynTech Research Laboratory Services, LLC. 55p.

**850.1075      Fish acute toxicity test, freshwater and marine**

MRID	Citation Reference
48541604	Bang, J. ; Overmeyer, J. ; Peranginangin, N. ; et al. (2011) Prometryn: Review and Assessment of the Potential Impact of Prometryn on Endangered and Threatened Pacific Salmonid Species: Assessment. Project Number: TK0064724. Unpublished study prepared by Syngenta Crop Protection. 129p.
48541606	Volz, E. (2004) Acute Toxicity of Prometryn Tech. (G34161) to Common Carp (Cyprinus Carpio) in a 96-Hour Static Test: Final Report. Project Number: 848538 2031534, TK0062830. Unpublished study prepared by RCC Umweltchemie Ag. 43p.
48541607	Grade, R. (1992) Prometryn: Report on the Acute Toxicity Test of G34161 WP 50, (A-1114 U) to Rainbow Trout (Oncorhynchus mykiss): Final Report. Project Number: 928119, TK0062832. Unpublished study prepared by Ciba-Geigy, Ltd. 20p.
48541608	Grade, R. (1992) Prometryn: Report on the Acute Toxicity of G34161 WP 50, (A-1114 U) to Common Carp (Cyprinus carpio): Final Report. Project Number: 928120, TK0062833. Unpublished study prepared by Ciba-Geigy, Ltd. 20p.
48541610	Schweigert, N. (2000) Prometryn: Acute Toxicity Test of G34161, SC500 (A3953F) to Rainbow Trout (Oncorhynchus mykiss) under Static Conditions: Final Report. Project Number: G/626/04 TK0062836. Unpublished study prepared by Solvias AG. 55p.
49076601	Hamaker, T. (1985) Rainbow Trout 96-Hour Static Acute Toxicity Test with Prometryn: Final Report. Project Number: TK0178833, D187. Unpublished study prepared by Environmental Research & Technology, Inc. 54p.

**850.1350      Mysid chronic toxicity test**

MRID	Citation Reference
49074501	Claude, M.; Kendall, T.; Krueger, H. (2013) Prometryn - A Flow-through Life-cycle Toxicity Test with the Saltwater Mysid (Americamysis bahia): Final Report. Project Number: 528/239A, TK0053971. Unpublished study prepared by Wildlife International, Ltd. 104p.

**850.3020      Honey bee acute contact toxicity**

MRID	Citation Reference
50424501	Greig-Smith, P. (1990) Prometryn: Acute Contact and Oral Toxicity of G 34161 to Honeybees: Final Report. Project Number: C89/0377, TK0374789, SSE/401. Unpublished study prepared by ADAS Central Science Laboratory. 18p.

**850.4400      Aquatic plant toxicity test using Lemna spp. Tiers I and II**

MRID	Citation Reference
48697901	Overmyer, J.; Bang, J.; Peranginangin, N.; et al. (2011) Prometryn: Review and Assessment of the Potential

Impact of Prometryn on Endangered and Threatened Pacific Salmonid Species: (MRID 48541604): Assessment Amendment 1. Project Number: TK0064724. Unpublished study prepared by Syngenta Crop Protection. 135 p.

49389102 Valenti, T. (2014) Prometryn Communication Supporting Waivers for Hydroxypropazine Studies Listed in the Generic Data Call-In for Prometryn. Project Number: TK0228717. Unpublished study prepared by Syngenta Crop Protection, LLC. 10p.

**850.4500      Algal Toxicity**

MRID	Citation Reference
49389102	Valenti, T. (2014) Prometryn Communication Supporting Waivers for Hydroxypropazine Studies Listed in the Generic Data Call-In for Prometryn. Project Number: TK0228717. Unpublished study prepared by Syngenta Crop Protection, LLC. 10p.
50336102	Moore, S.; Matlock, D. (2017) GS-11526 - Toxicity of GS-11526 (Hydroxypropazine) to the Green Algae Pseudokirchneriella Subcapitata During a 96 Hour Exposure: Final Report. Project Number: 069SRUS17C0068, TK0220816. Unpublished study prepared by SynTech Research Laboratory Services, LLC. 96p.

**850.5400      Algal toxicity, Tiers 1 and II**

MRID	Citation Reference
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**850.6100      Environmental Chemistry Methods and Associated Independent Laboratory Validation**

MRID	Citation Reference
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**860.1000      Background**

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**860.1300      Nature of the residue - plants, livestock**

MRID	Citation Reference
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**860.1340      Residue analytical method**

MRID	Citation Reference
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**860.1500      Crop field trials**

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**870.6200      Neurotoxicity screening battery**

MRID	Citation Reference
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**875.2100      Foliar dislodgeable residue dissipation**

MRID	Citation Reference
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**850.1735      Whole sediment: acute freshwater invertebrates**

MRID	Citation Reference
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**850.1740      Whole sediment: acute marine invertebrates**

MRID	Citation Reference
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**Non-Guideline Study**

MRID	Citation Reference
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